University of Social Welfare and Rehabilitation Sciences

Ministry of Health and Medical Education

ITA		
Name: Maryam Surname: Neishabury	Specialty /Ph.D. Molecular Genetics	
Title/Degree: Dr./Associate Professor	Department of: Genetics	

H index:10

Research Interests:

- Haemoglobinopathies
- Rare hereditary blood disorders
- Genetic basis of haemochromatosis

Scopus Profile: https://www.scopus.com/authid/detail.uri?authorId=6506455707 Google Scholar Profile: https://scholar.google.com/citations?user=h-7qYFgAAAAJ&hl=en	Updated: 20 August 2022

Personal Information	**Nationality: Iranian**
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Education

Date	Degree	Duration	Institution	Country/City	Major
1991-1995	B.Sc	4years	University of Wales	Swansea, UK	Biological Sciences

1995-2000	Ph.D.	5 years	University of Wales	Swansea, UK	Molecular Genetics

Faculty member				
Year	Position	Duration	Institution/Course	Location
2000-2004	Research Scientist	3 years	USWR	Tehran-Iran
2005-2014	Assistant Professor	9 years	USWR	Tehran-Iran
2015-present	Associate professor	6	USWR	Tehran-Iran

Field of Specialization

- Molecular Genetics
- Hereditary blood disorders
- Hereditary Haemochromatosis

Language Ability

Persian-Turkish-English-Arabic (rudimentary knowledge)

Research Experience 1995-present

Year	Position	Institution/Course	Location
Contributions of nucleotide and base excision repair to the repair of DNA oxidative base damage in Saccharomyces cerevisiae.	PhD student	University of Wales (1995-2000)	Swansea, UK
Genetic basis of Alpha and beta thalassemia	Principle investigator	Genetics Research Center, USWR (2003-2006)	Tehran, Iran
Iranian human mutation Gene bank	Principle investigator	Genetics Research Center, USWR (2003-2004)	
Genetic Basis of Thalassemia intermedia	Principle investigator	Genetics Research Center, USWR (2006-2008)	Tehran, Iran
Phenotype modifying factors in haemoglobinopathies (Genotyping and functional studies)	Principle investigator	Genetics Research Center, USWR (2008-2016)	Tehran, Iran
Genetics of Rare blood disorders in Iran	Principle investigator	Genetics Research Center, USWR (2016-present)	Tehran, Iran

Genetics of Haemochromatosis in Iran	Principle investigator	Genetics Research Center, USWR (2019-present)	Tehran, Iran

Year	Association, Society	Location
2005-present	Iranian genetic society	Tehran-Iran

Publications

Mehrabi Sisakht, J., Mehri,M., Najmabadi,H., Azarkeivan, A., Neishabury, M., Genetic diagnosis of pyruvate kinase deficiency in undiagnosed Iranian patients with severe hemolytic anemia, using whole exome sequencing (2022) Archives of Iranian Medicine (In press)

Neishabury, M., Azarkeivan, A., Mehri, M., Najmabadi, H., Cheraghi, T.
The First Case of BENTA Disease (B Cell Expansion with NF-κB and T Cell Anergy) from Iran (2021) Journal of Clinical Immunology, 41 (4), pp. 811-813.

Neishabury, M., Mehri, M., Fattahi, Z., Najmabadi, H., Azarkeivan, A.
Novel variants in Iranian individuals suspected to have inherited red blood cell disorders, including bone marrow failure syndromes (2020) Haematologica, 105 (1), pp. E1-E4.

Mehri, M., Zarin, M., Ardalani, F., Najmabadi, H., Azarkeivan, A., Neishabury, M.Novel mutations in mitochondrial carrier family gene SLC25A38, causing congenital sideroblastic anemia in Iranian families, identified by whole exome sequencing (2018) Blood Cells, Molecules, and Diseases, 71, pp. 39-44.

Dehghani, H., Ghobakhloo, S., Neishabury, M. Electromobility Shift Assay Reveals Evidence in Favor of Allele-Specific Binding of RUNX1 to the 5′ Hypersensitive Site 4-Locus Control Region
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Keyhani, E., Vesiehsari, M.J., Kakroodi, S.T., Darabi, E., Zamani, F., Karimlou, M., Kamali, K., Neishabury, M.
The Impact of Xmn I-HBG2, BCL11A and HBS1L-MYB Single Nucleotide Polymorphisms on Hb F Variation of Hematologically Normal Iranian Individuals
(2016) Hemoglobin, 40 (3), pp. 198-201.

Kakroodi, S.T., Vesiehsari, M.J., Abedini, S.S., Ghobakhloo, S., Dehghani, H., Keyhani, E., Azarkeivan, A., Zamani, F., Najmabadi, H., Neishabury, M. The role of BCL11A and HBS1L-MYB polymorphisms in predicting blood transfusion requirements of Thalassemia patients with homozygous 5'HS4-LCR/ Xmn1-HBG2 background (2015) Genetics in the Third Millennium, 13 (2), pp. 3990-3993.

Khoshbakht, T., Soosanabadi, M., Neishaboury, M., Kamali, K., Karimlou, m., Bazazzadegan, N., Khorram Khorshid, H.R., An Association Study on IL16 Gene Polymorphisms with the Risk of Sporadic Alzheimer's Disease (2015) Avicenna J Med Biotechnol.; 7(3), pp. 128–132.

Neishabury, M., Zamani, F., Keyhani, E., Azarkeivan, A., Abedini, S.S., Eslami, M.S., Kakroodi, S.T., Vesiehsari, M.J., Najmabadi, H.The influence of the BCL11A polymorphism on the phenotype of patients with beta thalassemia could be affected by the beta globin locus control region and/or the Xmn1-HBG2 genotypic background
(2013) Blood Cells, Molecules, and Diseases, 51 (2), pp. 80-84.

Banan, M., Bayat, H., Azarkeivan, A., Mohammadparast, S., Kamali, K., Farashi, S., Bayat, N., Khani, M.H., Neishabury, M., Najmabadi, H. The XmnI and BCL11A single nucleotide polymorphisms may help predict hydroxyurea response in Iranian β-thalassemia patients

(2012) Hemoglobin, 36 (4), pp. 371-380.

Neishabury, M., Zamani, S., Azarkeivan, A., Abedini, S.S., Darvish, H., Zamani, F., Najmabadi, H.
The modifying effect of Xmn1-HBG2 on thalassemic phenotype is associated with its linked elements in the beta globin locus control region, including the palindromic site at 5′HS4 (2012) Blood Cells, Molecules, and Diseases, 48 (1), pp. 1-5.

Neishabury, M., Azarkeivan, A., Oberkanins, C., Abedini, S.S., Zamani, S., Najmabadi, H.
Analyzing 5'HS3 and 5'HS4 LCR core regions and NF-E2 in Iranian thalassemia intermedia patients with normal or carrier status for beta-globin mutations (2011) Blood Cells, Molecules, and Diseases, 46 (3), pp. 201-205.

Azita, A., Neishabury, M., Hadavi, V., Fatemehsadat, E., Enrahimkhani, S., Hossein, N.A report of 8 cases with hemoglobin H disease in an Iranian family (2010) Pediatric Hematology and Oncology, 27 (5), pp. 405-412.

Neishabury, M., Azarkeivan, A., Najmabadi, H. Frequency of Positive XmnIGγ polymorphism and coinheritance of common alpha thalassemia mutations do not show statistically significant difference between thalassemia major and intermedia cases with homozygous IVSII-1 mutation (2010) Blood Cells, Molecules, and Diseases, 44 (2), pp. 95-99.

Neishabury, M., Azarkeivan, A., Oberkanins, C., Esteghamat, F., Amirizadeh, N., Najmabadi, H.
Molecular mechanisms underlying thalassemia intermedia in Iran (2008) Genetic Testing, 12 (4), pp. 549-556.

Garshasbi, M., Oberkanins, C., Law, H.Y., Neishabury, M., Kariminejad, R., Najmabadi, H.α-globin gene deletion and point mutation analysis among Iranian patients with microcytic hypochromic anemia
(2003) Haematologica, 88 (10), pp. 1196-1197.

Neishabury, M., Oberkanins, C., Moheb, L.A., Pourfathollah, A.A., Kahrizi, K., Keyhany, E., Krugluger, W., Najmabadi, H. High prevalence of the -α3.7 deletion among thalassemia patients in Iran
(2003) Hemoglobin, 27 (1), pp. 53-55.

Najmabadi, H., Neishabury, M., Sahebjam, F., Kahrizi, K., Shafaghati, Y., Nikzat, N., Jalalvand, M., Aminy, F., Hashemi, S.B., Moghimi, B., Reza Noorian, A., Jannati, A., Mohammadi, M., Javan, K.
The Iranian Human Mutation Gene Bank: A data and sample resource for worldwide collaborative genetics research
(2003) Human Mutation, 21 (2), pp. 146-150.

Najmabadi, H., Pourfathollah, A.A., Neishabury, M., Sahebjam, F., Krugluger, W., Oberkanins, C.
Rare and unexpected mutations among Iranian β-thalassemia patients and prenatal samples discovered by reverse-hybridization and DNA sequencing [3] (2002) Haematologica, 87 (10), pp. 1113-1114.

Scott, A.D., Neishabury, M., Jones, D.H., Reed, S.H., Boiteux, S., Waters, R.
Spontaneous mutation, oxidative DNA damage, and the roles of base and nucleotide excision repair in the yeast Saccharomyces cerevisiae (1999) Yeast, 15 (3), pp. 205-218.